

Oracle Utilities Live Energy Connect

Release Notes



Release 7.1.0.0

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Oracle Utilities Live Energy Connect Release Notes, Release 7.1.0.0

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Contents

Oracle Utilities Live Energy Connect V7.1 Release Notes

The following release notes are for the current and previous versions of Oracle Utilities Live Energy Connect v7.1, and include enhancements and known issues. The current version is 7.1.0.0.44.

Current Release Notes

Current Version: 7.1.0.0.44

Note

To install the Oracle Utilities Live Energy Connect 7.1.0.0.44 patch, refer to the instructions in the Oracle Utilities Live Energy Connect Installation Guide. The patch is available to download from the My Oracle Support portal.

Enhancements

The following are new and enhanced features for Oracle Utilities Live Energy Connect.

- Fixed regression in scriptRun RTX causing crash running legacy customer configurations.
- ISX: Change timestamp offset logic between GE SCADA timestamps and Oracle NMS timestamps.
- ISX: Moved timestamp offset value to LEC INI file servxnt.ini, GeTimeOffset=283996800.
- ISX: Fixed error where active tags were not updated when IST connection cycled.
- ISX: Correct multiple log messages assigned to wrong log category.
- ISX: Updated/additional quality code support from GE SCADA

Known Issues

This section focuses on known issues for the Oracle Utilities Live Energy Connect Configuration Manager.

- In previous releases (called LiveData Utilities RTI Server), running multiple instances of the Configuration Manager simultaneously could lead to unexpected behavior isolated to the Configuration Manager application.
- Do not run multiple instances of the Configuration Manager on one machine simultaneously. The Configuration Manager is designed to edit and monitor multiple server instances by using configuration aliases.

Release 7.1.0.0.43

Note

To install the Oracle Utilities Live Energy Connect 7.1.0.0.43 patch, refer to the instructions in the Oracle Utilities Live Energy Connect Installation Guide. The patch is available to download from the My Oracle Support portal.

Enhancements

The following are new and enhanced features for Oracle Utilities Live Energy Connect Server.

- Updated Python aiohttp to 3.10.11.
- Fixed bug in ScriptWrite RTX preventing ScriptFilter filter node from working.
- Changed LiveDataOfflineLoad API so operations like DBLoadCommandLine don't return until the running LEC server is fully operational.

Known Issues

This section focuses on the known issues at the time of this release.

- In previous releases (called LiveData Utilities RTI Server), running multiple instances of the Configuration Manager simultaneously could lead to unexpected behavior isolated to the Configuration Manager application.
- Do not run multiple instances of the Configuration Manager on one machine simultaneously. The Configuration Manager is designed to edit and monitor multiple server instances by using configuration aliases.

Release 7.1.0.0.42

Note

To install the Oracle Utilities Live Energy Connect 7.1.0.0.42 patch, refer to the instructions in the Oracle Utilities Live Energy Connect Installation Guide. The patch is available to download from the My Oracle Support portal.

Enhancements

The following are new and enhanced features for Oracle Utilities Live Energy Connect.

- Fixed failure to verify ACSE timestamp signatures in pre-standard Secure ICCP mode.
- Set default Secure ICCP mode to pre-standard. Added new command line switch (/ siccip_mode=<mode>) to set mode, where <mode> is PRE or 2007 , indicating Pre-Standard mode or 2007 Standard mode.

Known Issues

This section focuses on the known issues at the time of this release in the Configuration Manager.

- In previous releases (called LiveData Utilities RTI Server), running multiple instances of the Configuration Manager simultaneously could lead to unexpected behavior isolated to the Configuration Manager application.
- Do not run multiple instances of the Configuration Manager on one machine simultaneously. The Configuration Manager is designed to edit and monitor multiple server instances by using configuration aliases.

Release 7.1.0.0.41

Note

To install the Oracle Utilities Live Energy Connect 7.1.0.0.41 patch, refer to the instructions in the Oracle Utilities Live Energy Connect Installation Guide. The patch is available to download from the My Oracle Support portal.

Enhancements

The following are new and enhanced features for Oracle Utilities Live Energy Connect Server.

- Fix DNP crash on failed link-layer communication.
- Various fixes to online batch loading.

Known Issues

This section focuses on the known issues at the time of this release in the Configuration Manager.

- In previous releases (called LiveData Utilities RTI Server), running multiple instances of the Configuration Manager simultaneously could lead to unexpected behavior isolated to the Configuration Manager application.
- Do not run multiple instances of the Configuration Manager on one machine simultaneously. The Configuration Manager is designed to edit and monitor multiple server instances by using configuration aliases.

Release 7.1.0.0.40

Note : To install the Oracle Utilities Live Energy Connect 7.1.0.0.40 patch, refer to the instructions in the Oracle Utilities Live Energy Connect Installation Guide. The patch is available to download from the My Oracle Support portal.

Enhancements

The following are new and enhanced features for Oracle Utilities Live Energy Connect Server.

- Fixed bug related to failure creating client and server stunnel services used for Secure ICCP.

Known Issues

This section focuses on the known issues at the time of this release.

- In previous releases (called LiveData Utilities RTI Server), running multiple instances of the Configuration Manager simultaneously could lead to unexpected behavior isolated to the Configuration Manager application.

- Do not run multiple instances of the Configuration Manager on one machine simultaneously. The Configuration Manager is designed to edit and monitor multiple server instances by using configuration aliases.

Release 7.1.0.0.39

Note

To install the Oracle Utilities Live Energy Connect 7.1.0.0.39 patch, refer to the instructions in the Oracle Utilities Live Energy Connect Installation Guide. The patch is available to download from the My Oracle Support portal.

Enhancements

The following are new and enhanced features for Oracle Utilities Live Energy Connect.

- Fixed bug related to failure creating client and server stunnel services used for Secure ICCP.

Known Issues

This section focuses on the known issues at the time of this release.

- In previous releases (called LiveData Utilities RTI Server), running multiple instances of the Configuration Manager simultaneously could lead to unexpected behavior isolated to the Configuration Manager application.
- Do not run multiple instances of the Configuration Manager on one machine simultaneously. The Configuration Manager is designed to edit and monitor multiple server instances by using configuration aliases.

Release 7.1.0.0.38

Note

To install the Oracle Utilities Live Energy Connect 7.1.0.0.38 patch, refer to the instructions in the Oracle Utilities Live Energy Connect Installation Guide. The patch is available to download from the My Oracle Support portal.

Enhancements

The following are new and enhanced features for Oracle Utilities Live Energy Connect Server.

- Fixed a DNP outstation mode bug that could result in missing points when responding to a poll class read with a large numbers of points.
- Fixed various online batch loading bugs for DNP and ICCP.

Known Issues

This section focuses on the known issues at the time of this release.

- In previous releases (called LiveData Utilities RTI Server), running multiple instances of the Configuration Manager simultaneously could lead to unexpected behavior isolated to the Configuration Manager application.
- Do not run multiple instances of the Configuration Manager on one machine simultaneously. The Configuration Manager is designed to edit and monitor multiple server instances by using configuration aliases.

Release 7.1.0.0.37

Note

To install the Oracle Utilities Live Energy Connect 7.1.0.0.37 patch, refer to the instructions in the Oracle Utilities Live Energy Connect Installation Guide. The patch is available to download from the My Oracle Support portal.

Enhancements

The following are new and enhanced features for Oracle Utilities Live Energy Connect.

- Fixed bug in AIM IIS preventing operation with Python 3.11 on certain systems.

Known Issues

This section focuses on the known issues at the time of this release.

- In previous releases (called LiveData Utilities RTI Server), running multiple instances of the Configuration Manager simultaneously could lead to unexpected behavior isolated to the Configuration Manager application.
- Do not run multiple instances of the Configuration Manager on one machine simultaneously. The Configuration Manager is designed to edit and monitor multiple server instances by using configuration aliases.

Release 7.1.0.0.36

Note

To install the Oracle Utilities Live Energy Connect 7.1.0.0.36 patch, refer to the instructions in the Oracle Utilities Live Energy Connect Installation Guide. The patch is available to download from the My Oracle Support portal.

Enhancements

The following are new and enhanced features for Oracle Utilities Live Energy Connect Server.

- Moved initial ICCP point reads until after Data Set Transfer Set has been established with peer.
- Fix bug in AIM IIS preventing operation with Python 3.11.

Known Issues

This section focuses on the known issues at the time of this release.

- In previous releases (called LiveData Utilities RTI Server), running multiple instances of the Configuration Manager simultaneously could lead to unexpected behavior isolated to the Configuration Manager application.
- Do not run multiple instances of the Configuration Manager on one machine simultaneously. The Configuration Manager is designed to edit and monitor multiple server instances by using configuration aliases.

Release 7.1.0.0.35

Note

To install the Oracle Utilities Live Energy Connect 7.1.0.0.35 patch, refer to the instructions in the Oracle Utilities Live Energy Connect Installation Guide. The patch is available to download from the My Oracle Support portal.

Enhancements

The following are new and enhanced features for Oracle Utilities Live Energy Connect Server.

- Fixed bug in OPC UA client writes of integer values (for example, digital controls and discrete set points).

Known Issues

This section focuses on the known issues at the time of this release.

- In previous releases (called LiveData Utilities RTI Server), running multiple instances of the Configuration Manager simultaneously could lead to unexpected behavior isolated to the Configuration Manager application.
- Do not run multiple instances of the Configuration Manager on one machine simultaneously. The Configuration Manager is designed to edit and monitor multiple server instances by using configuration aliases.

Release 7.1.0.0.34

Enhancements

The following are new and enhanced features for Oracle Utilities Live Energy Connect.

Oracle Utilities Live Energy Connect Server Enhancements

- Added optional `/conclude_always` and `/hard_conclude` command line flags to provide two modes of non-standard behavior when concluding an ICCP association with outstanding services.
- Internal fixes and improvements.

Known Issues

This section focuses on the known issues at the time of this release.

- In previous releases (called LiveData Utilities RTI Server), running multiple instances of the Configuration Manager simultaneously could lead to unexpected behavior isolated to the Configuration Manager application.

- Do not run multiple instances of the Configuration Manager on one machine simultaneously. The Configuration Manager is designed to edit and monitor multiple server instances by using configuration aliases.

Release 7.1.0.0.33

Note : To install the Oracle Utilities Live Energy Connect 7.1.0.0.33 patch, refer to the instructions in the [Oracle Utilities Live Energy Connect Installation Guide](#). The patch is available to download from the My Oracle Support portal.

Enhancements

The following are new and enhanced features for Oracle Utilities Live Energy Connect.

Oracle Utilities Live Energy Connect Server Enhancements

- Update to Python 3.11
- Update to OpenSSL 3.0
- Fixed DNP-to-ICCP state mapping from LEC DNP Outstation
- Internal fixes and improvements.

Known Issues

This section focuses on the known issues at the time of this release.

- In previous releases (called LiveData Utilities RTI Server), running multiple instances of the Configuration Manager simultaneously could lead to unexpected behavior isolated to the Configuration Manager application.
- Do not run multiple instances of the Configuration Manager on one machine simultaneously. The Configuration Manager is designed to edit and monitor multiple server instances by using configuration aliases.

Release 7.1.0.0.32

Note : To install the Oracle Utilities Live Energy Connect 7.1.0.0.32 patch, refer to the instructions in the [Oracle Utilities Live Energy Connect Installation Guide](#). The patch is available to download from the My Oracle Support portal.

Enhancements

The following are new and enhanced features for Oracle Utilities Live Energy Connect.

Oracle Utilities Live Energy Connect Server Enhancements

- Fixes and enhancements to GE ISx interface
- Enhancements to SecureICCP logging

Known Issues

This section focuses on the known issues at the time of this release.

- In previous releases (called LiveData Utilities RTI Server), running multiple instances of the Configuration Manager simultaneously could lead to unexpected behavior isolated to the Configuration Manager application.

- Do not run multiple instances of the Configuration Manager on one machine simultaneously. The Configuration Manager is designed to edit and monitor multiple server instances by using configuration aliases.

Release 7.1.0.0.31

Note : To install the Oracle Utilities Live Energy Connect 7.1.0.0.31 patch, refer to the instructions in the [Oracle Utilities Live Energy Connect Installation Guide](#). The patch is available to download from the My Oracle Support portal.

Enhancements

The following are new and enhanced features for Oracle Utilities Live Energy Connect.

Oracle Utilities Live Energy Connect Server Enhancements

- Fixes and enhancements to GE ISx interface

Known Issues

This section focuses on the known issues at the time of this release.

- In previous releases (called LiveData Utilities RTI Server), running multiple instances of the Configuration Manager simultaneously could lead to unexpected behavior isolated to the Configuration Manager application.
- Do not run multiple instances of the Configuration Manager on one machine simultaneously. The Configuration Manager is designed to edit and monitor multiple server instances by using configuration aliases.

Release 7.1.0.0.30

Note : To install the Oracle Utilities Live Energy Connect 7.1.0.0.30 patch, refer to the instructions in the [Oracle Utilities Live Energy Connect Installation Guide](#). The patch is available to download from the My Oracle Support portal.

Enhancements

The following are new and enhanced features for Oracle Utilities Live Energy Connect.

Oracle Utilities Live Energy Connect Server Enhancements

- Update OpenSSL to OpenSSL 1.1.1t
- Fixed bug observed in ICCP block 7 support

Known Issues

This section focuses on the known issues at the time of this release.

- In previous releases (called LiveData Utilities RTI Server), running multiple instances of the Configuration Manager simultaneously could lead to unexpected behavior isolated to the Configuration Manager application.
- Do not run multiple instances of the Configuration Manager on one machine simultaneously. The Configuration Manager is designed to edit and monitor multiple server instances by using configuration aliases.

Release 7.1.0.0.29

Note : To install the Oracle Utilities Live Energy Connect 7.1.0.0.29 patch, refer to the instructions in the [Oracle Utilities Live Energy Connect Installation Guide](#). The patch is available to download from the My Oracle Support portal.

Enhancements

The following are new and enhanced features for Oracle Utilities Live Energy Connect.

Oracle Utilities Live Energy Connect Server Enhancements

- Fix error in included Python packages preventing install on new machines.
- Internal fixes and improvements

Known Issues

This section focuses on the known issues at the time of this release.

- In previous releases (called LiveData Utilities RTI Server), running multiple instances of the Configuration Manager simultaneously could lead to unexpected behavior isolated to the Configuration Manager application.
- Do not run multiple instances of the Configuration Manager on one machine simultaneously. The Configuration Manager is designed to edit and monitor multiple server instances by using configuration aliases.

Release 7.1.0.0.28

Note : To install the Oracle Utilities Live Energy Connect 7.1.0.0.28 patch, refer to the instructions in the [Oracle Utilities Live Energy Connect Installation Guide](#). The patch is available to download from the My Oracle Support portal.

Enhancements

The following are new and enhanced features for Oracle Utilities Live Energy Connect.

Oracle Utilities Live Energy Connect Server Enhancements

- Fixed crash observed in Modbus read processing when ALLOW_GAPS_FLAG is set.

Known Issues

This section focuses on the known issues at the time of this release.

- In previous releases (called LiveData Utilities RTI Server), running multiple instances of the Configuration Manager simultaneously could lead to unexpected behavior isolated to the Configuration Manager application.
- Do not run multiple instances of the Configuration Manager on one machine simultaneously. The Configuration Manager is designed to edit and monitor multiple server instances by using configuration aliases.

Release 7.1.0.0.27

Enhancements

The following are new and enhanced features for Oracle Utilities Live Energy Connect.

- Added partial Ecobee Zeus API support (with LEC as a client). Support includes the following pieces of the Ecobee Zeus API: Token Authentication, List Demand Response, Issue Demand Response, Show Demand Response, Delete Demand Response, List Thermostat Groups, Show Thermostat Group.

Known Issues

This section focuses on the known issues at the time of this release.

- In previous releases (called LiveData Utilities RTI Server), running multiple instances of the Configuration Manager simultaneously could lead to unexpected behavior isolated to the Configuration Manager application.
- Do not run multiple instances of the Configuration Manager on one machine simultaneously. The Configuration Manager is designed to edit and monitor multiple server instances by using configuration aliases.

Release 7.1.0.0.26

Note : To install the Oracle Utilities Live Energy Connect 7.1.0.0.26 patch, refer to the instructions in the [Oracle Utilities Live Energy Connect Installation Guide](#). The patch is available to download from the My Oracle Support portal.

Enhancements

The following are new and enhanced features for Oracle Utilities Live Energy Connect.

- Fixes and improvement to incremental online batch loading.
- Updated OpenSSL to 1.1.1q.

Known Issues

This section focuses on the known issues at the time of this release.

- In previous releases (called LiveData Utilities RTI Server), running multiple instances of the Configuration Manager simultaneously could lead to unexpected behavior isolated to the Configuration Manager application.
- Do not run multiple instances of the Configuration Manager on one machine simultaneously. The Configuration Manager is designed to edit and monitor multiple server instances by using configuration aliases.

Release 7.1.0.0.25

Note : To install the Oracle Utilities Live Energy Connect 7.1.0.0.25 patch, refer to the instructions in the [Oracle Utilities Live Energy Connect Installation Guide](#). The patch is available to download from the My Oracle Support portal.

Enhancements

The following are new and enhanced features for Oracle Utilities Live Energy Connect.

- Fixed bug in propagation of ICCP data set's initial read
- Fixes and improvements to GE IST support

Known Issues

This section focuses on the known issues at the time of this release.

- In previous releases (called LiveData Utilities RTI Server), running multiple instances of the Configuration Manager simultaneously could lead to unexpected behavior isolated to the Configuration Manager application.
- Do not run multiple instances of the Configuration Manager on one machine simultaneously. The Configuration Manager is designed to edit and monitor multiple server instances by using configuration aliases.

Release 7.1.0.0.24

Note : To install the Oracle Utilities Live Energy Connect 7.1.0.0.24 patch, refer to the instructions in the [Oracle Utilities Live Energy Connect Installation Guide](#). The patch is available to download from the My Oracle Support portal.

Enhancements

The following are new and enhanced features for Oracle Utilities Live Energy Connect.

- Fixes and improvements to LEC NMA SCADA FEP support.
- Added support for DNP3 double-bit binary types Object. Variation 3.1, 3.2, 4.1, 4.2, and 4.3.
- Fixes and improvements to GE IST support.
- Fixes and improvements to online batch loading for configurations using OPC-UA and SharedScript filter.

Known Issues

This section focuses on the known issues at the time of this release.

- In previous releases (called LiveData Utilities RTI Server), running multiple instances of the Configuration Manager simultaneously could lead to unexpected behavior isolated to the Configuration Manager application.
- Do not run multiple instances of the Configuration Manager on one machine simultaneously. The Configuration Manager is designed to edit and monitor multiple server instances by using configuration aliases.

Release 7.1.0.0.23

Note : To install the Oracle Utilities Live Energy Connect 7.1.0.0.23 patch, refer to the instructions in the [Oracle Utilities Live Energy Connect Installation Guide](#). The patch is available to download from the My Oracle Support portal.

Enhancements

The following are new and enhanced features for Oracle Utilities Live Energy Connect.

- Enhancements to GE ISX/IST protocol interface

Known Issues

This section focuses on the known issues at the time of this release.

- In previous releases (called LiveData Utilities RTI Server), running multiple instances of the Configuration Manager simultaneously could lead to unexpected behavior isolated to the Configuration Manager application.
- Do not run multiple instances of the Configuration Manager on one machine simultaneously. The Configuration Manager is designed to edit and monitor multiple server instances by using configuration aliases.

Release 7.1.0.0.22

Enhancements

The following are new and enhanced features for Oracle Utilities Live Energy Connect.

- Fixed bug in PollDnpClassEx macro so that the only the timestamps of successful polls are reported.
- Fixed bug in DNP control operation preventing Select during an SBO operation.

Known Issues

This section focuses on the known issues at the time of this release.

- In previous releases (called LiveData Utilities RTI Server), running multiple instances of the Configuration Manager simultaneously could lead to unexpected behavior isolated to the Configuration Manager application.
- Do not run multiple instances of the Configuration Manager on one machine simultaneously. The Configuration Manager is designed to edit and monitor multiple server instances by using configuration aliases.

Release 7.1.0.0.21

Note : To install the Oracle Utilities Live Energy Connect 7.1.0.0.21 patch, refer to the instructions in the [Oracle Utilities Live Energy Connect Installation Guide](#). The patch is available to download from the My Oracle Support portal.

Enhancements

The following are new and enhanced features for Oracle Utilities Live Energy Connect.

- Fixed regression in enhanced ICCP transfer sets that disallowed more than 32 transfer sets per VCC.
- Added gRPC-based interface to support enhanced integration with Oracle Utilities Network Management System (NMS).
- Internal fixes and improvements.

Known Issues

This section focuses on the known issues at the time of this release.

- In previous releases (called LiveData Utilities RTI Server), running multiple instances of the Configuration Manager simultaneously could lead to unexpected behavior isolated to the Configuration Manager application.
- Do not run multiple instances of the Configuration Manager on one machine simultaneously. The Configuration Manager is designed to edit and monitor multiple server instances by using configuration aliases.

Release 7.1.0.0.20

Note : To install the Oracle Utilities Live Energy Connect 7.1.0.0.20 patch, refer to the instructions in the [Oracle Utilities Live Energy Connect Installation Guide](#). The patch is available to download from the My Oracle Support portal.

Enhancements

The following are new and enhanced features for Oracle Utilities Live Energy Connect.

- Added missing files needed to support AIM in the latest installer.

Known Issues

This section focuses on the known issues at the time of this release.

Oracle Utilities Live Energy Connect Configuration Manager

- In previous releases (called LiveData Utilities RTI Server), running multiple instances of the Configuration Manager simultaneously could lead to unexpected behavior isolated to the Configuration Manager application.
- Do not run multiple instances of the Configuration Manager on one machine simultaneously. The Configuration Manager is designed to edit and monitor multiple server instances by using configuration aliases.

Release 7.1.0.0.19

Note : To install the Oracle Utilities Live Energy Connect 7.1.0.0.19 patch, refer to the instructions in the [Oracle Utilities Live Energy Connect Installation Guide](#). The patch is available to download from the My Oracle Support portal.

Enhancements

The following are new and enhanced features for Oracle Utilities Live Energy Connect.

- Fixed bug in ACSE certificate validation for Secure ICCP.
- LEC can subscribe to GE ISD points before connection to remote ISX server.
- Internal fixes and improvements.

Known Issues

This section focuses on the known issues at the time of this release.

- In previous releases (called LiveData Utilities RTI Server), running multiple instances of the Configuration Manager simultaneously could lead to unexpected behavior isolated to the Configuration Manager application.
- Do not run multiple instances of the Configuration Manager on one machine simultaneously. The Configuration Manager is designed to edit and monitor multiple server instances by using configuration aliases.

Release 7.1.0.0.18

Note : To install the Oracle Utilities Live Energy Connect 7.1.0.0.18 patch, refer to the instructions in the [Oracle Utilities Live Energy Connect Installation Guide](#) . The patch is available to download from the My Oracle Support portal.

Enhancements

The following are new and enhanced features for Oracle Utilities Live Energy Connect.

- Fixed crash associated with change in master control state for GE ISx tags.
- Set log file security settings based on those of log directory.
- Fixed bug that rejected valid ACSE/Secure ICCP X.509 certificates with multiple Relative Distinguished Names.
- Removed M2Crypto library.

Known Issues

This section focuses on the known issues at the time of this release.

Oracle Utilities Live Energy Connect Configuration Manager

- In previous releases (called LiveData Utilities RTI Server), running multiple instances of the Configuration Manager simultaneously could lead to unexpected behavior isolated to the Configuration Manager application.
- Do not run multiple instances of the Configuration Manager on one machine simultaneously. The Configuration Manager is designed to edit and monitor multiple server instances by using configuration aliases.

Release 7.1.0.0.17

Enhancements

The following are new and enhanced features for Oracle Utilities Live Energy Connect.

Server Enhancements

- Added support for MultiSpeak client and server functionality
- Fixed bug related to Secure ICCP ACSE-level authentication.

Release 7.1.0.0.16

Enhancements

The following are new and enhanced features for Oracle Utilities Live Energy Connect.

Server Enhancements

- Added ability to support a mix of secure and non-secure ICCP associations within a single LEC server instance.
- Fixed bugs related to dynamic (online) configuration loading when loading large numbers of configurations.
- Enhanced LEC's ISx interface by adding support for phase information to ISD status objects
- Internal fixes and improvements made to core server code

Release 7.1.0.0.15

Enhancements

The following are new and enhanced features for Oracle Utilities Live Energy Connect.

Server Enhancements

- Added the MaxMmsRecursion parameter to the srvxnt.ini configuration file to allow users to specify a limit on the priority and amount of processing of incoming MMS/ICCP messages. In some configurations with very large amounts of inbound ICCP traffic, this can prevent the starvation of other LEC Server tasks.
- Cleaned up DNP ACK log error message when DNP connection has closed.
- Internal fixes and improvements made to core server code.

Release 7.1.0.0.14

Enhancements

The following are new and enhanced features for Oracle Utilities Live Energy Connect.

Server Enhancements

- Internal fixes and improvements made to core server code.
- Integrated v7.0 of the GE's ISx Data API.

Release 7.1.0.0.13

Enhancements

The following are new and enhanced features for Oracle Utilities Live Energy Connect.

Server Enhancements

- Fixed an ICCP transfer set control regression that could have affected certain ICCP configurations
- Enhanced the SharedScript Python module to allow for online loading/unloading of batch files in configurations that use custom SharedScript-based Python script filters.
- Added an OPC UA certificate generation script and certificate installer tool.
- Fixed a crash resolving ICCP peer when certain fields are mismatched with the local LDIB table

Release 7.1.0.0.12

Enhancements

The following are new and enhanced features for Oracle Utilities Live Energy Connect.

Server Enhancements

- Enhanced ICCP transfer set control and monitoring
- Improved configuration batch load performance
- Fixed bug in backpressure/circuit breaker mechanism for large configurations
- Allow on-demand ICCP transfer set read (integrity scan)
- Corrected Secure OPC UA configuration parameters
- Moved OPC UA Software Version and Service Level to standard server locations
- Internal fixes and improvements

Release 7.1.0.0.11

Enhancements

The following are new and enhanced features for Oracle Utilities Live Energy Connect.

Server Enhancements

- Fixed crash after ICCP association disconnect.
- Fixes and improvements to Secure OPC UA.

Release 7.1.0.0.10

Enhancements

The following are new and enhanced features for Oracle Utilities Live Energy Connect.

Server Enhancements

- Fixed crash in DsDefine RTX related to reporting ICCP transfer set mismatches.

Release 7.1.0.0.9

Enhancements

The following are new and enhanced features for Oracle Utilities Live Energy Connect.

Server Enhancements

- Fixes and enhancements to the GE ISx interface.
- Fixed bug in the TransmitGate filter related to Python 3.8 syntax error.
- Fixed bug that could occur during DNP3 Master control/write operations.
- Fixed that could occur during online loading of batch files (i.e. loading and unloading batch files while LEC Server is running).

- Enhanced the LecAioHttp Python module/framework to allow scripts to pass authentication credentials to in to client requests.
- Fixed bug in the SharedScript Python module/framework that is used to create custom user filters.
- Internal fixes and improvements

Release 7.1.0.0.8

Enhancements

The following are new and enhanced features for Oracle Utilities Live Energy Connect.

Server Enhancements

- Fixed shutdown crash in GE ISx interface.
- Updated to latest GE ISx API.

Release 7.1.0.0.7

Enhancements

The following are new and enhanced features for Oracle Utilities Live Energy Connect.

Server Enhancements

- Updated LEC's support for the GE ISx protocol.
- Fixed a server startup crash when users runs server as a service with double quotes in the command line parameters.
- Added integrity scan capability to DNP3 Master VMD.
- Update LiveDataBase.py database access script for Python 3.
- Updated LiveDataOfflineLoad.py utility script for Python 3.

Release 7.1.0.0.6

Enhancements

The following are new and enhanced features for Oracle Utilities Live Energy Connect.

Server Enhancements

- Updated LEC's support for the GE ISx protocol.
- Fixed Live server crash on online batch unload.
- Fixed duplicate LDIB error for prototype-generated VMDs.
- Fixed ICCP association control when ICCP verification fails.
- Added the MASTER_RESET_FLAG association control flag.
- Updated LEC cluster resource for Windows Failover Clustering.
- Fixed LEC server crash on supersede of established ICCP association.

Release 7.1.0.0.5

Enhancements

The following are new and enhanced features for Oracle Utilities Live Energy Connect.

Server Enhancements

- Updates and fixes for LEC's support for the GE ISx protocol.

Release 7.1.0.0.4

Enhancements

The following are new and enhanced features for Oracle Utilities Live Energy Connect.

Server Enhancements

- Updates and fixes to GE ISx protocol interface.

Release 7.1.0.0.3

Enhancements

The following are new and enhanced features for Oracle Utilities Live Energy Connect.

Server Enhancements

- Fixed a bug related to Oracle Utilities Live Energy Connect Server's time synchronization with OS that causes crashes on some systems.

Release 7.1.0.0.2

Enhancements

The following are new and enhanced features for Oracle Utilities Live Energy Connect.

Server Enhancements

- Further enhanced Oracle Utilities Live Energy Connect's support for the GE ISx protocol.
- Fixed a bug that prevented the Live Energy Connect Server from notifying the Live Energy Connect Configuration Manager that it was not running when it was stopped by the user.
- Updated contents of the Oracle Utilities Live Energy Connect Asset ID Manager User Guide document

Release 7.1.0.0.1

Enhancements

The following are new and enhanced features for Oracle Utilities Live Energy Connect.

- Enhanced Oracle Utilities Live Energy Connect's support for the GE ISx protocol.

- Found root cause and resolved spurious crash in SOAP server used for communication between the Configuration Manager and the Live Energy Connect server.
- Fixed a bug related to runtime crashes in some Live Energy Connect configurations due to a heap corruption error.

Release 7.1.0.0.0

Enhancements

The following are new and enhanced features for Oracle Utilities Live Energy Connect.

Server Enhancements

- Implemented Oracle Utilities Live Energy Connect software as a 64-bit Windows application. Previous versions of the software (called the RTI Platform) were 32-bit Windows applications.
- Upgraded the Oracle Utilities Live Energy Connect server's embedded Python interpreter to Python 3.8.3.
- Upgraded open source software used to implement Secure ICCP. OpenSSL was upgraded from version 1.0.1g to version 1.1.1g (OpenSSL's current LTS release). Stunnel was upgraded from version 5.53 to 5.56.
- Oracle Utilities Live Energy Connect now registers two Stunnel Windows services at install instead of launching Stunnel processes from Live Energy Connect. These Stunnel services are to be managed by the user through the Window Services Manager.
- This release does not have a Secure ICCP Certificate Manager. Instead, follow the procedure for deploying certificates described in the Oracle Utilities Live Energy Connect Secure ICCP Certificate Deployment Procedure document.
- Updated the Python scripts used by Oracle Utilities Live Energy Connect Configuration Manager to work with Python 3.8.3.
- By default, the Oracle Utilities Live Energy Connect server now listens on LOCALHOST (i.e., 127.0.0.1) for incoming MMS/ICCP associations. In previous releases (called LiveData Utilities RTI Server), the server listened on all interfaces (i.e., 0.0.0.0). With the current release, if you require inbound MMS/ICCP associations from remote peers (i.e., VCC's on other machines), you will need to modify your Oracle Utilities Live Energy Connect configuration to allow the server to listen on the appropriate external interface. To do this, select the appropriate configuration alias in the Oracle Utilities Live Energy Connect Configuration Manager and open the Server tab of the Properties panel. In the Extra params field, add "/listen=<ip_address>" (e.g. "/listen=192.168.1.10").
- The MMS OCX interface that some customer applications use to access objects on the server is implemented in this release with 64-bit ActiveX (OCX) controls. Previous releases (called LiveData Utilities RTI Server) implemented the MMS OCX interface with 32-bit ActiveX (OCX) controls.
- Made logging more configurable by organizing the Oracle Utilities Live Energy Connect server functions into "logging modules" whose level of logging can be individually specified in the srvxnt.ini file
- This release does not have a License Manager application. Follow the terms of our Software License Agreement.
- Created the option to log all ICCP traffic (across multiple VCCs) in srvxnt.ini file.
- Changed behavior of the DNP Master functionality to close and reinitiate connections if there is a failure receiving a response from an outstation.

- Fixed a regression found in the previous release that left the server unable to load custom macros that used the SharedScript Python module.
- Created a new dataflow filter that can be used to bridge 2-way connectors to 1-way output connectors (useful in control applications).
- Discontinued Adapters and Integrations
The following adapters and integrations are not supported in Oracle Utilities Live Energy Connect Version 7.1.0.0.0. Discontinued adapters may be replaced with updated adapters in future releases.
 - SPP Marketplace Adapter for Day Ahead Markets
 - MISO Market Adapter for Day Ahead Markets
 - MISO Market Interface Support
 - Block 4 ISEO Simulator
 - Legacy COM-based OPC DA
 - 32-bit ActiveX (OCX) controls for the MMS OCX interface

Note

Any application that makes use of the MMS OCX interface with 32-bit ActiveX controls in previous releases will need to be modified to work with the 64-bit MMS OCX interface in the latest release. If you want to upgrade to the latest release of Oracle Utilities Live Energy Connect and your organization uses such an application, contact My Oracle Support.

- Updated tool tips in the Configuration Manager for certain filter nodes based on customer feedback.
 - Added a "Restarting" state to the reporting of Live Energy Connect server states when reloading batch files in configs that use the Asset ID Manager.
 - Added configurable file size limits and roll-over settings to the tm.log file created by the Asset ID Manager.